Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/30/2021 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124898	-1	1.27	124814	1.23
Blue	F	SSC	125000	123493	-2	2.78	123791	2.65
Blue	E	FITC	13131	12707	-4	2.28	293	15.83
Blue	D	PE	24112	23804	-2	1.68	546	10.42
Blue	B	PerCP-Cy5-5	31295	30542	-3	3.00	1017	14.31
Blue	A	PE-Cy7	19939	19832	-1	5.16	525	28.93
Red	C	APC	42122	41758	-1	2.98	1751	11.25
Red	A	APC-Cy7	22340	21530	-4	3.17	806	11.21
Violet	B	V450	7410	7091	-5	3.81	438	12.61
Violet	A	V500	28118	26914	-5	3.46	676	9.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23169	0.89	566	-3	N/A	N/A	Pass
Blue	F	SSC	57654	1.03	517	5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0391	84	Pass
Blue	D	PE	115	36.61	488	0	0.4901	374	Pass
Blue	B	PerCP-Cy5-5	189	35.67	583	-3	0.0206	85	Pass
Blue	A	PE-Cy7	106	67.21	626	-2	0.0225	1	Pass
Red	C	APC	404	23.67	577	1	0.0289	189	Pass
Red	A	APC-Cy7	179	27.23	549	-2	0.0070	1353	Pass
Violet	B	V450	62	62.00	452	-1	0.0571	2118	Pass
Violet	A	V500	98	34.08	463	-2	0.0261	864	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.87	-31.65	1.13
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.17	13.60 - 20.40	N/A	N/A	29.89	30.21	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11224

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments